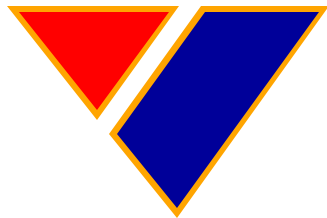


SPAWAR



**Statement A: Approved for
Public Release;
Distribution Is Unlimited**

Are we Net-Centric Yet?

**Delores Washburn
SPAWAR 05**

**FORCEnet Domain Chief Engineer
PEO C4I&Space PMW160 Technical Director
Networks, Information Assurance, Enterprise
Services**



Overview

- Defining the Question
 - What does Net-Centric Really mean?
- Examples of Successes
- Example of Failures (still need more work)
- The Answer



What do we really mean? – “Net Centric”

- Net-centricity
 - Relies on computing power and networked communications to provide a shared awareness of the battle Space resulting in superior decision-making, and the ability to coordinate complex military operations over long distances for an overwhelming war-fighting advantage
- FORCENet Functional Concept for the 21st Century

FORCENet is the Navy's Implementation of Network Centric Warfare



What do we really mean?

Sample Terminology

- Networked Communications
- Service Oriented Architecture
 - Designing application and system functionality as accessible and reusable services
- Metadata – Data about Data...
- Visibility
 - How does someone find your data?
- Accessibility
 - How does someone get your data?
- Understandability
 - Community-based agreements on the data

What about information overload?



FORCEnet Technical Reference Guide

FORCEnet Technical Reference Guide for Program Managers



Office of the FORCEnet Chief Engineer
SPAWAR 05

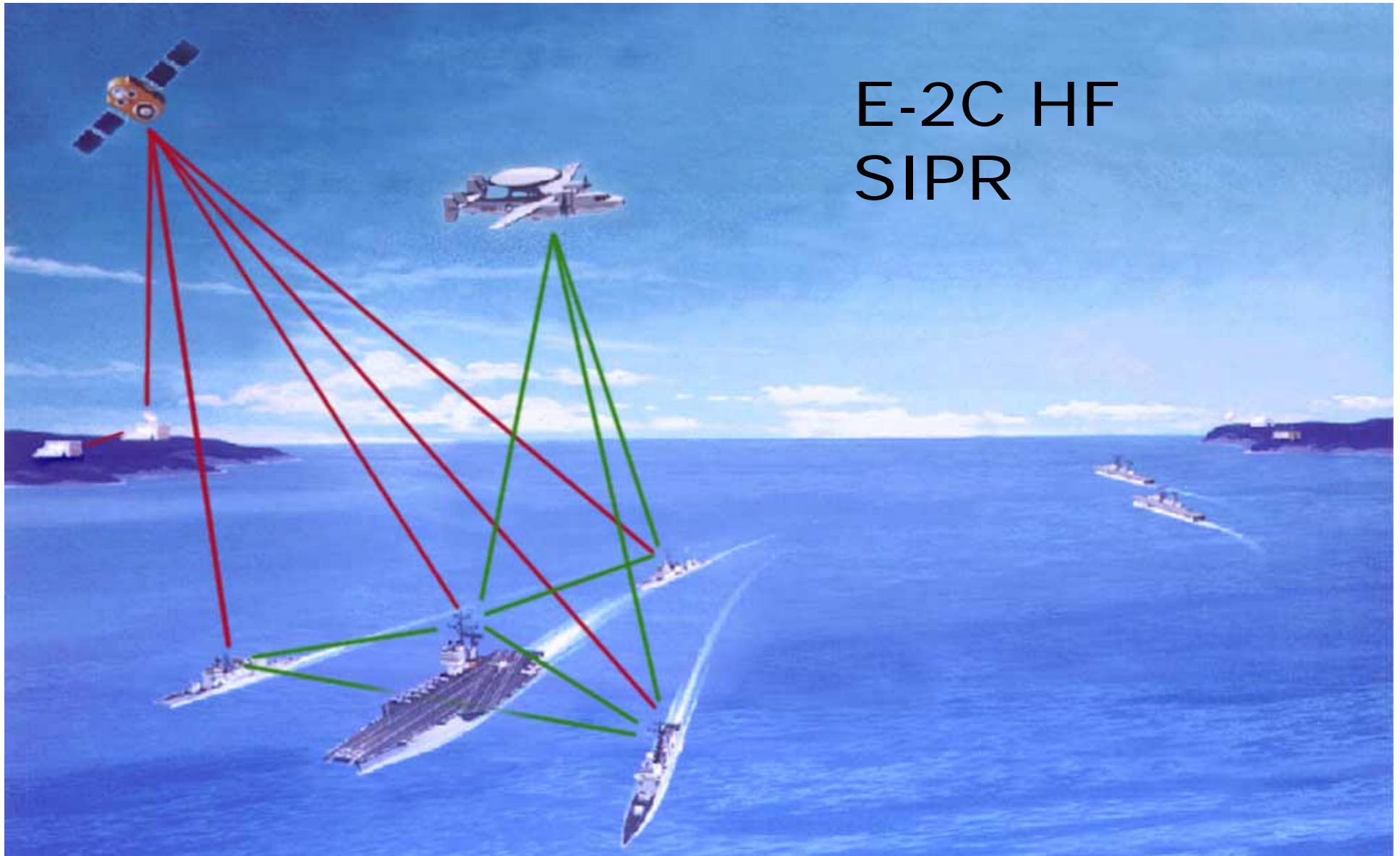
Distribution **D**: Distribution authorized to the Department of Defense and U.S. DoD contractors only (Operational Use) 18 November 2003. Other requests shall be referred to the Space and Naval Warfare Systems Command Office (Architecture and Standards SPAWAR Code 05) or Public Affairs and Corporate Communications Office (SPAWAR 00P). This document is EXEMPT FROM MANDATORY DISCLOSURE under 5 USC 552 (b)(2)



Version 1.0
JUN 2005



Example of Success

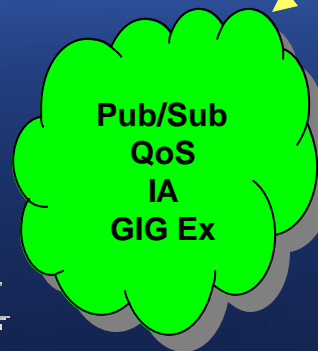




Still Needs Work

GIG Tactical Edge Services

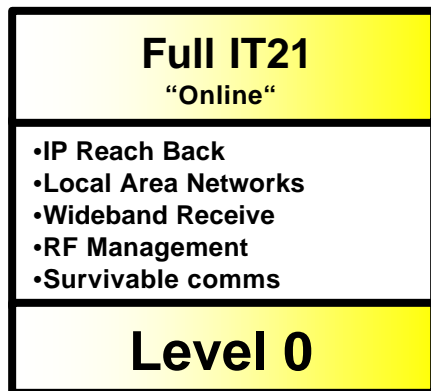
A robust tactical edge network for rapid exchange of information



PEO C4I&Space Net-Ready Levels

There are degrees of Net-Centricity

*Based on Fn
Concept
Document*



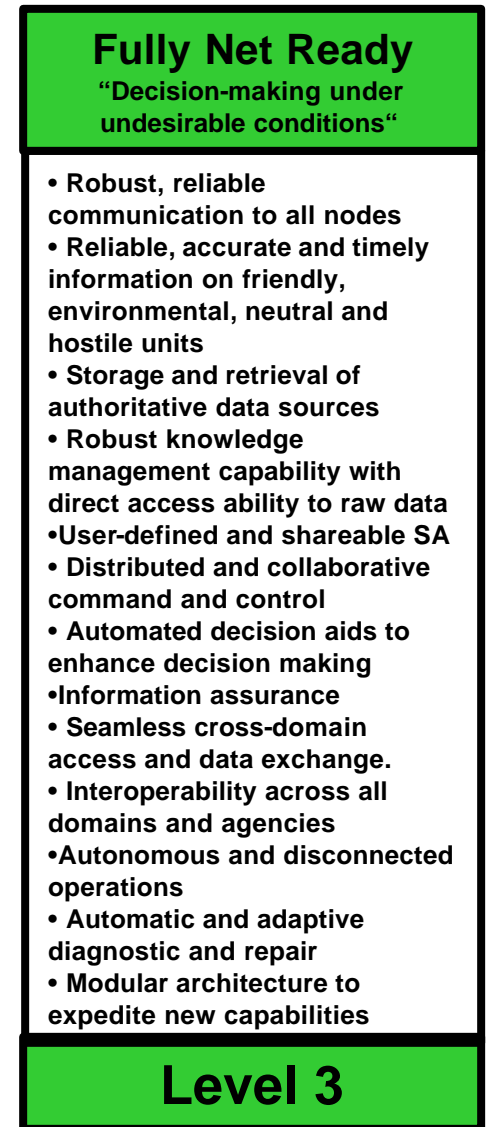
Today



FY07



FY10



FY14



FORCEnet Technical Compliance Criteria

FORCEnet Implementation Baseline - Microsoft Internet Explorer provided by Navy Marine Corps Intranet

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print

Address <http://fits.spawar.navy.mil/fccc/surveySave.do> Go

FIBL
FORCEnet Implementation Baseline

FITS Home Contact Us Help Logout

Welcome to Smart FIBL!

My Programs:
WIDGET-X

Survey Progress

- ☒ **Program Info**
- ☐ **Data**
- ☐ **Services**
- ☐ **IA**
- ☐ **Transport**
- ☐ **Wrap Up**

Reports

- ☐ Survey Review
- ☐ Survey Stats
- ☐ Compliance Profile
- ☐ Compliance Over Time
- ☐ 2020 Projection
- ☐ Ad Hoc
- ☐ FET Quad

Overall Progress 26% Completed | 18% Validated

Program Info **Data** **Services** **IA** **Transport** **Wrap-up**

You have answered 4 questions. There is a maximum of 9 possible Data questions remaining.

Q04.1: Does the program use UDDI (Universal Description, Discovery and Integration)? Yes

Q04.2: Does the program use SOAP (Simple Object Access Protocol)? Yes

Q04.3: Does the program use WSDL (Web Services Description Language)? Yes

Q05: Does the program automatically alert users of availability of new data? No

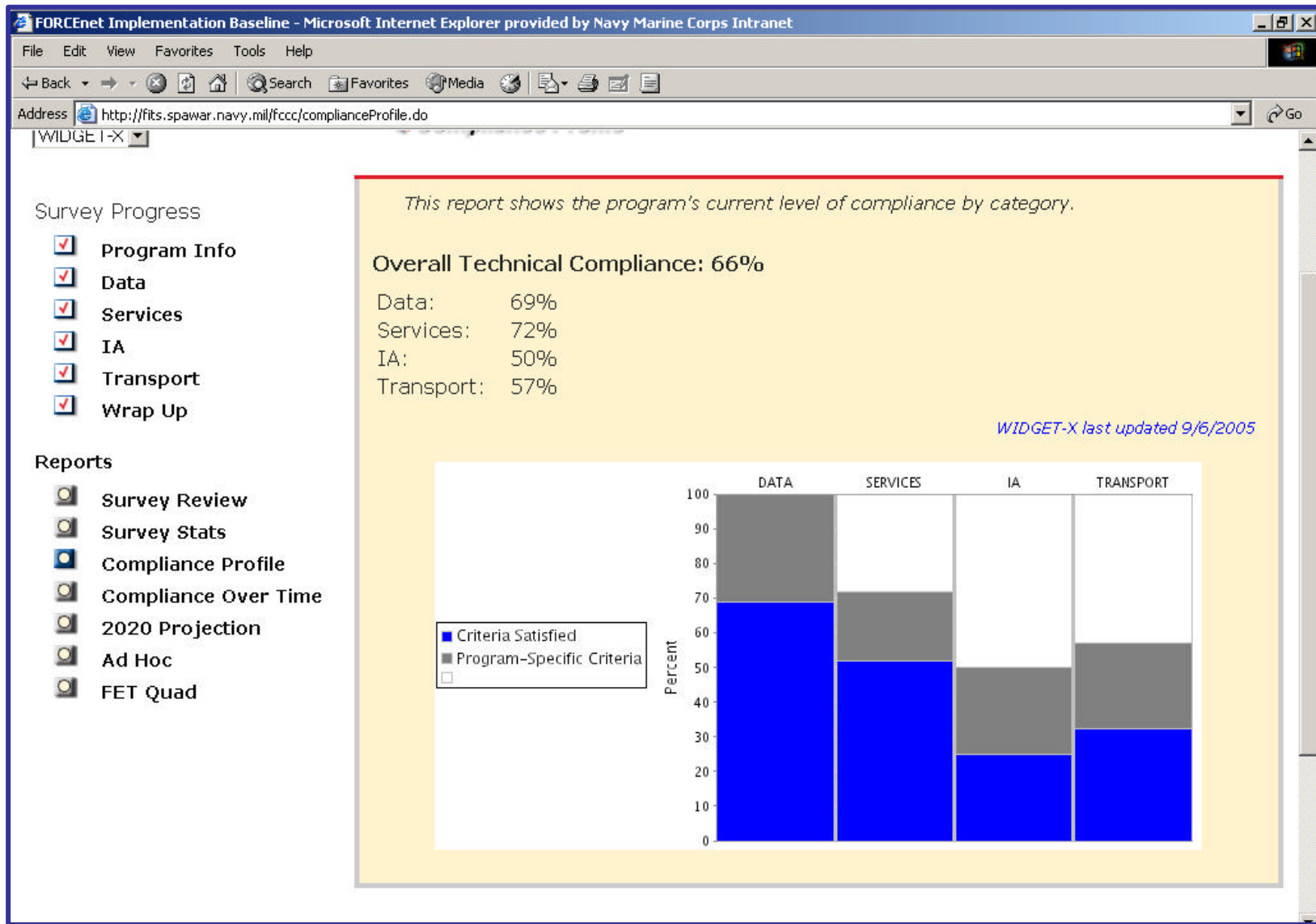
Q06: Does the program 'post data before processing' (data available on the net as soon as it is created/acquired)? No

Q07: Are all XML elements registered in DoD metadata registry (DDMS)? Yes

Save



Compliance Profile



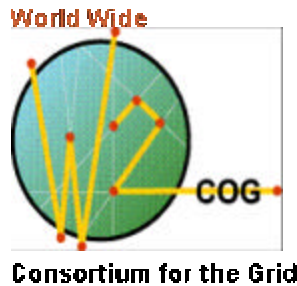


How Industry Can Help

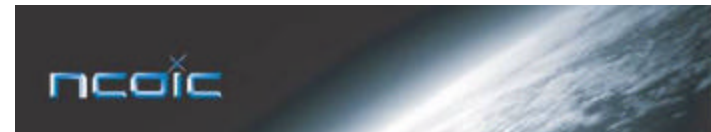
Net Centricity - *There's still room for improvement!*



National Defense Industry
Association



World Wide Consortium of the
Grid
W2COG



Network Centric Operations
Industry Consortium